

WRITING PROMPT

6

CHEMISTRY

Prompt

Select one of the elements from the periodic table that was discovered in the last fifty years to do research on. Brainstorm a list of questions you would like to have answered as you collect data on this element. Decide how you would like to display your data. Write a report to share your research.

Word Walls

*atom
matter
states of matter
molecule
chemical
proton
neutron
electron
electron cloud
nucleus
physical
charge*

Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
- E2d – Narrative Procedure

Science Standards

- S1 Physical Sciences Concepts
- S2 Life Sciences Concepts
- S3 Earth and Space Sciences Concepts
- S7 Scientific Communication

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CHEMISTRY

Prompt

Write a letter to a friend describing your field trip to a local pond to take water samples. Using what you've learned, describe how you tested the water to determine the health of the pond.

Suppose you found the pond water to have a pH of 3. Explain what this pH means and describe what actions are necessary to make this a healthy environment for plants and animals.

Word Walls

*diluted
saturated
liquids
chemical
acid
solution
base
solvent
neutralization
solute
pollution
concentrated*

Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
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Science Standards

- S1 Physical Sciences Concepts
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QUICK WRITES

GRADE 6

Chemistry

Lesson No.

1

List some words that describe the physical properties of the powders you observed. Explain why you think some of the powders had a chemical reaction when mixed with certain liquids.

2

Explain the difference between a mixture and a solution.

3

Based on what you have learned, give some examples of solutions.

4

Predict what you think will happen as you add water to a colored solution.

5

Tell me what you know about pH.

6

Explain the importance of keeping things clean and not contaminating solutions during an experiment.

7

When do you think it might be necessary to neutralize an acid? Explain your answer.

8

What does the smell of vinegar remind you of?

9

What kind of laws do you think we need to enact to protect our water systems?

10

How do you think we can solve the problem of water pollution?

WORD WALL

Chemistry

matter	charge	diluted
states of matter	molecule	saturated
atom	physical	liquids
nucleus	chemical	acid
proton	solution	base
neutron	solvent	neutralization
electron	solute	pollution
electron cloud	concentrated	